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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,875	09/19/2003	Jakke Makela	872.0152.U1(US)	8891

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EXAMINER

DOAN, PHUOC HUU

ART UNIT	PAPER NUMBER
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2617

DATE MAILED: 04/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/666,875

Applicant(s)

MAKELA ET AL.

Examiner

PHUOC H. DOAN

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 February 2006.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-62 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-62 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claim 3 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation " where the memory area of a plurality of mobile terminals further comprises a personal area and a shared area". There is insufficient antecedent basis for this limitation in the claim.

Response to Arguments

2. Applicant's arguments with respect to claims 1-62 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 13, 20-26, 29-30, 32-36, and 42-45 are rejected under 35

U.S.C. 102(e) as being anticipated by Lin (US Pub No: 2004/0051737).

As to claim 1, Lin discloses a method to operate a plurality of mobile terminals (Fig. 1, items 104, 106), comprising: storing an editable object in the plurality of mobile terminals (col. 3, par. [0042]), and simultaneously editing the editable object “col. 1, par. [0027], interface editing and online real-time accessing” using at least some of the plurality of mobile terminals (col. 2, par. [0030]), where the mobile terminals that are used for editing the editable object send locally generated edit commands to other mobile terminals of the set of mobile terminals (col. 2, par. [0030-0031] “**editing/command-setting can be transmitted between two mobile devices**”, and col. 3, par. [0039-0040]).

As to claim 13, Lin further discloses a method as described in claim 1, where individual ones of the plurality of mobile terminals indicate when modifications have been made to the editable object (col. 2, par. [0032-0033]).

As to claim 20, Lin further discloses a method as described in claim 1, where each edited instance is a file (col. 2, par. [0032]).

As to claim 21, Lin further discloses a method as described in claim 1, where each edited instance may be appended to a hard copy (col. 2, par. [0032], [0035]).

As to claim 22, Lin further discloses a method as described in claim 1, where there

is only one hard copy of the editable object (col. 2, par. [0030].

As to claim 23, Lin further discloses a method as described in claim 22, where the hard copy is the original version of the editable object (col. 2, par. [0030], which uses Win CE as its operation systems).

As to claim 24, the claim is rejected for the same reason as set forth in claim 1.

As to claim 25, the claim specifies an apparatus necessary to perform the method steps as specified in claim 1 and is therefore rejected for the same reason.

As to claim 26, the claim is rejected for the same reason as set forth in claim 1.

As to claim 29, Lin further discloses a wireless communication system as described in claim 26, where the information further comprises other user's Shared Edited Instances (Fig. 3B, col. 2, par. 0033]).

As to claim 30, Lin further discloses a wireless communication system as described in claim 26, where the information further comprises other user's editing commands (col. 2, par. [0031]).

As to claim 32, Lin further discloses a wireless communication system as described in claim 26, where the editable object comprises image data (col. 2, par. [0032]).

As to claim 33, Lin further discloses a wireless communication system as described in claim 32, where the editable object further comprises audio data (col.

3, par. [0039-0040]).

As to claim 34, Lin further discloses a wireless communication system as described in claim 27, where information in the shared area is automatically synchronized between all users (col. 3, par. [0039-0041]).

As to claim 35, Lin further discloses a wireless communication system as described in claim 26, where the plurality of mobile terminals indicate via the wireless communication system when modifications have been made to the editable object (col. 2, par. [0030]).

As to claim 36, Lin further discloses a wireless communication system as described in claim 27, where at least one of the shared edited instances is **downloaded** from the user's shared area to the user's personal area (col. 2, par. [0035], and col. 3, par. [0039-0040]).

As to claim 42, Lin further discloses a wireless communication system as described in claim 26, where each edited instance is a separate file (col. 2, par. [0031-0032]).

As to claim 43, the claim is rejected for the same reason as set forth in claim 21.

As to claim 44, the claim is rejected for the same reason as set forth in claim 22.

As to claim 45, the claim is rejected for the same reason as set forth in claim 23.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims **2-3, 11-12, and 27** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin in view of **Lee (US Pub No: 2004/0015548)**.

As to claim 2, Lin discloses all the limitation in method as in claim 1. However, Lin does not disclose where a memory area of the plurality of mobile terminals comprises a working memory area used during editing and a permanent storage memory area.

Lee discloses where a memory area of the plurality of mobile terminals comprises a working memory area used during editing and a permanent storage memory area (col. 3, par. [0033]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the memory as taught by Lee to the method of Lin in order to expand the storage.

As to claim 3, the claim is rejected for the same reason as set forth in claim 2.

As to claim 11, Lee further discloses method as described in claim 3, where the information in the shared area is automatically synchronized between all users (col.

5, par. [0044]).

As to claim 12, Lee further discloses a method as described in claim 3, where the information in the personal area comprises at least one edited instance of the editable object (col. 6, par. [0049]).

As to claim 27, the claim is rejected for the same reason as set forth in claim 2.

7. Claims **4-10, 37-40, 46-62** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee in view of **Gelernter (US Pub No: 2004/0139396)**.

As to claim 4, Lin does not disclose where at least one of the plurality of mobile terminals initiates an editing process whereby information comprising at least one of a hard copy or edited instance is sent from at least one mobile terminal to at least one other of the plurality of mobile terminals.

In the same field of invention, Gelernter specifically discloses where at least one of the plurality of mobile terminals initiates an editing process whereby information comprising at least one of a hard copy or edited instance is sent from at least one mobile terminal to at least one other of the plurality of mobile terminals (col. 14, par. [0158]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a hard copy or edited instance is sent from at least one mobile terminal to at least one other of the plurality of

mobile terminals as taught by Gelernter to the system of Lin in order to share of the streaming of object at the same time with real-time.

As to claim 5, Gelernter further discloses a method as described in claim 4, where the information sent comprises the user's Own Edited Instance of the editable object (col. 9, par. [0091]).

As to claim 6, Gelernter further discloses a method as described in claim 4, where the information sent comprises other user's Shared Edited Instances (col. 5, par. [0057]).

As to claim 7, Gelernter further discloses a method as described in claim 4, where the information sent comprises a user's own editing commands (col. 6, par. [0069]).

As to claim 8, Gelernter further discloses a method as described in claim 4, where the information sent comprises other user's editing commands (col. 6, par. [0069]).

As to claim 9, Gelernter further discloses a method as described in claim 4, where the information sent comprises contextual control information (col. 5, par. [0057-0058]).

As to claim 10, Gelernter further discloses a method as described in claim 9, where the contextual control information conveys user information (col. 5, par. [0054-0057]).

As to claim 37, Gelernter further discloses a wireless communication system as described in claim 26, where each editable object comprises at least a content part and at least one comment field (col. 3, par. [0020]).

As to claim 38, Gelernter further discloses a wireless communication system as described in claim 37, where a first comment field is designated a hard copy ID field (col. 7, par. [0081]).

As to claim 39, Gelernter further discloses a wireless communication system as described in claim 38, where another comment field is designated an edited instance ID field (col. 14, par. [0158]).

As to claim 40, Gelernter further discloses a wireless communication system as described in claim 39, wherein when the contents of the content part is changed a new hard copy is formed and tagged with a new ID and the hard copy ID field is changed (col. 14, par. [0158]).

As to claim 46, Gelernter further discloses all the limitation in col. 14, par. [0158]).

As to claim 47, Gelernter further discloses all the limitation in col. (col. 4, par. [0033], [0037]).

As to claim 47, 48, 49, Gelernter further discloses all the limitation in col. 14-15, par. [0158-0160]).

As to **claim 49-57, 59**, Gelernter further discloses all the limitation in col. 3, par. [0020], and col. 4, par. [0033]).

As to **claim 58**, Gelernter further discloses all the limitation in col. 12, par. [0139-0140].

As to **claim 60, 61**, Gelernter further discloses all the limitation in col. 14, par. [0158].

As to **claim 58**, Gelernter further discloses all the limitation in col. 5, par. [0057-0062].

8. Claims **19, and 41** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin in view of **Egawa (US Pub No: 2004/0125126)**.

As to **claim 19**, Lin does not disclose a method as described in claim 1, where each edited instance has a unique ID associated with it.

Egawa discloses a method as described in claim 1, where each edited instance has a unique ID associated with it (col. 4, par. [0064-0067]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the unique ID as taught by Egawa to the method of Lin in order to has a ID of edit object.

As to **claim 41**, the claim is rejected for the same reason as set forth in claim 19.

9. Claims **28, and 31** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin in view of **Henriksson (US Pub No: 2005/0052341)**.

As to claim 28, Lin does not disclose a wireless communication system as described in claim 26, where the information further comprises a user's Own Edited Instance.

Lee discloses a wireless communication system as described in claim 26, where the information further comprises a user's Own Edited Instance (col. 4, par. [0037-0038]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a user's Own Edited Instance as taught by Henriksson to the system of Lin in order to has a tool which able to edit the object.

As to claim 31, Lin does not discloses a wireless communication system as described in claim 26, where the information further comprises contextual information to convey coordination, control and status information regarding the collaborative editing of the editable object.

Egawa discloses a wireless communication system as described in claim 26, where the information further comprises contextual information to convey coordination, control and status information regarding the collaborative editing of the editable object (col. 3, par. [0031-0033]). Therefore, it would have been obvious to one of

ordinary skill in the art at the time the invention was made to provide the collaborative editing of the editable object as taught by Henriksson to the system of Lin in order to has a tool which able to edit the object.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC H. DOAN whose telephone number is 571-272-7920. The examiner can normally be reached on 9:30 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GEORGE ENG can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

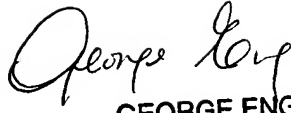
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A handwritten signature in black ink, appearing to read 'Phuoc Doan', with a long, sweeping horizontal stroke extending to the right.

Phuoc Doan
04/13/06

A handwritten signature in black ink, appearing to read 'George Eng', in a cursive style.

GEORGE ENG
SUPERVISORY PATENT EXAMINER